

## ABSTRACT OF THE DISCLOSURE

A method and system for generating virtual-microarray feature data from a  
5 virtualizing catalog array comprising a catalog microarray associated with data that can be  
together processed to produce any of numerous sets of virtual-microarray feature data. The  
catalog array portion of the virtualizing microarray may include many thousands, tens of  
thousands, or hundreds of thousands of different features from which a very large number of  
feature subsets may be generated. The data associated with the virtualizing microarray allows  
10 for rapid and transparent partitioning of the catalog-microarray features. Logic included  
within a microarray scanner, a computer system used to process data scanned from  
microarrays, a microarray-data visualization system, or other microarray-related processing  
entities can be used to generate feature data for any number of user-specified virtual arrays  
based on partitioning of the features included in the catalog-microarray component of the  
15 virtualizing microarray.